

**MONITORING METRICS  
TIDAL WETLAND RESTORATION**

CATEGORY	PROPERTY	MONITORING METRIC
<b>PHYSICAL/CHEMICAL</b>	Turbidity	
	Salinity	
	Nutrients (Nitrogen forms, phosphorus)	
	Contaminants	
	Water Temperature	
	Depth/Topography	
	Inundation Regime/ Tidal Excursion in Channels/ResidenceTime	
	Substrate/Sedimentation	
	pH	
	Dissolved Oxygen	
	Methyl Mercury	
<b>PRIMARY PRODUCTION</b>	Chlorophyll a	
	Phytoplankton	Number, species composition, biomass, density
	Vegetation - Floating Aquatic - Submerged Aquatic - Emergent - Riparian	Aerial imaging and ground- truthing (area by species)
	Organic Detritus	
<b>SECONDARY PRODUCTION</b>	Microbes (bacteria, flagellates, ciliates, rotifers)	
	Zooplankton, mysids	Number, species composition, biomass, density
	Benthic, epibenthic invertebrates (inc. bivalve grazers)	
	Epiphytic invertebrates	

<b>PREDATORS</b>	Fish	Number, species composition, life stage, condition factor, growth, diet, health index
<b>FLUX TO/FROM ADJACENT CHANNELS</b>	Sediment transport	
	Organic Carbon	
	Nutrients (nitrogen, by form, phosphorus)	
	Contaminants	
	Methyl mercury	
	Water temperature	
	Phytoplankton	
	Zooplankton	
	Benthic invertebrates	
	Fish	